

August 24, 2011

Mr. Steve Fuchs, P.E.  
Project Manager, Olympic Region  
PO Box 47375  
Olympia, WA 98504-7375

RE: SR162, Puyallup River (McMillin) Bridge-Section 106 Consultation

Dear Mr. Fuchs,

In order for me to continue with my analysis and review of the documents for the preservation of the McMillin Bridge, it is necessary to receive your confirmation and/or corrections to the following determination of the vertical clearance between the bottom of the truss and the design elev. of 124.00 for the water level of the 100 year flood stage.

Centerline, top of roadway elevations at piers of the truss (source of data: Steve Fuchs' email to Roger Kiers, dated 09/28/10 using Datum NAVD 88):

North Pier- Elev. 134.54  
South Pier- Elev. 135.64

Distance from top of roadway to bottom of truss (source of data: Original design plans, sheet #2, Transverse Section): 2 feet-7 ½ inches (2.63 feet).

Bottom of truss elev. @ North Pier: 134.54 minus 2.63 equals 131.91.  
Bottom of truss elev. @ South Pier: 135.64 minus 2.63 equals 133.01.

Design elev. of the 100 year flood stage equals 124.00.

Vertical clearance @ North Pier: 131.91 minus 124.00 equals 7.91 feet.  
Vertical clearance @ South Pier: 133.01 minus 124.00 equals 9.01 feet.

These clearances satisfy the six foot minimum, contrary to statements on Pages 11 and 22 of the McMillin Bridge Preservation Alternatives-Executive Summary.

To avoid a delay in my work schedule and WSDOT's Project Delivery time frame, please respond with your confirmation and comments by August 31, 2011. Thank you.

Respectfully yours,

Robert H. Krier, P.E. (CE & SE)

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360-491-8325

Cc: Paul Jenkins; Sandra Manning; Matthew Sterner